

Solsperse™ AC5180 Aqueous Dispersant

A fully neutralized sodium polyacrylate dispersant for ceramic water slurries

Solsperse™ AC5180 is a fully neutralized 50% solids active, low molecular weight sodium salt of polyacrylic acid dispersant in water which offers significant technical advantages in a range of ceramic processing methods, including slip casting, gel casting, spray drying, isostatic pressing, and uniaxial pressing. Solsperse™ AC5180 is used in typical ceramic slurries, where superior dispersion of particles in water is required. Solsperse™ AC5180 shows an excellent calcium ion tolerance. Solsperse™ AC5180 should be dissolved in the water and binder mixture before the addition of ceramic solids. Addition levels should be based on the surface area of the ceramic / filler. The dosage level is typically 2mg active dispersant per square meter of ceramic filler surface area. This is simply the surface area divided by 5. Small particle size / higher surface area may result in a higher dispersant demand.

FEATURES AND BENEFITS

- Dispersant Efficiency
- High Pigment Loading
- High Solids Dispersant
- Ideal for Ceramic Formulations
- Low Foaming
- Low Viscosity
- Particle Size Reduction
- Stability
- Water Based

CHARACTERISTICS

Characteristic Name	Value
Appearance	Colorless to amber, clear to slightly hazy liquid
Density (g/cc @ 25°C)	1.3
Solids (wt %)	50
Viscosity (cps @ 25°C)	800
pH Value (as supplied)	7.5

AVAILABLE REGIONS

- Asia Pacific
- EMEA
- Latin America
- North America



REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at www.lubrizol.com/coatings.

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

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